North Carolina

Criminal Justice Data Integration

Pilot Program

Quarterly Report
October 2010

North Carolina
Office of the State Controller

David McCoy, State Controller
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I. Executive Summary

Since October, 2008, the Office of the State Controller, working with SAS as a vendor partner, and in collaboration with criminal justice organizations in the State of North Carolina and Wake County, developed and implemented a Criminal Justice Data Integration Pilot Program in Wake County. The pilot program's goal is to provide criminal justice professionals with access to timely, complete and accurate information for enhanced decision making. The pilot application has been named Criminal Justice Law Enforcement Automated Data Services (CJLEADS).

The CJLEADS State project team is managed by the OSC and has worked under the guidance of the BEACON Steering Committee, the Wake County Criminal Justice Advisory Committee and the Statewide Interagency Leadership Council. In addition to the full-time project team members, over 100 team members from other organizations and agencies have been actively involved in the design, development and testing of the application. The partner agencies include the Administrative Office of the Courts, Department of Correction, Department of Crime Control and Public Safety, Department of Justice/State Bureau of Investigation, Department of Juvenile Justice and Delinquency Prevention, Division of Motor Vehicles, North Carolina Association of Chiefs of Police, North Carolina Sheriff's Association and the Wake County courts. A complete listing of the team members can be found in Appendix E.

Subject matter expertise and guidance on industry best practices is being provided with the assistance of George Ake of the National Institute of Justice, Fletcher Clay, former Patrol Commander of the North Carolina State Highway Patrol, and Ike Avery, former Senior Deputy Attorney General of the NC Office of the Attorney General.

CJLEADS has two primary objectives:

1. To provide a comprehensive view of an offender through a single application, allowing for positive identification of an offender through a photographic image.
2. To provide an "offender watch" capability to alert criminal justice professionals when an offender has a change in status.

The CJLEADS Wake County Pilot was released in July, 2010. Deployment activities and end user training in Wake County will continue throughout the fall of 2010.

This report provides the current CJLEADS Wake County Pilot status, plans for statewide expansion, and future funding requirements.

II. Criminal Justice Pilot Program for Wake County

(A). CJLEADS Pilot Status

Deployment
The Pilot began deployment in Wake County in July, 2010. Criminal justice organizations with an operational presence in Wake County have completed the activities necessary to allow their personnel to attend training and gain access to the CJLEADS application. As of September 30, 2010, over 1,000 users have been established in CJLEADS and are training or currently using the application. A list of Wake County organizations that have completed or are in the process of on-boarding with CJLEADS is attached in Appendix E.

To date user training has been conducted by CJLEADS program staff at OSC training facilities as well as at Wake County organization locations. Training opportunities are expanding to include the Train the Trainer classes to leverage larger agencies' in-house training programs. The deployment activities and training schedule will provide the opportunity for all users with a presence in Wake County to complete training and access CJLEADS by the end of October, 2010.

Operational Support
CJLEADS customer support is provided by the Department of Justice. The 24x7 customer support team offers CJLEADS end users with assistance in resolving user id and access issues, and responds to or escalates questions about CJLEADS functionality and data.

Success Stories
While the Wake County deployment is still underway, several agencies have shared results of having access to CJLEADS:

Wake County ABC Law Enforcement

Wake County ABC Law Enforcement investigated a reported larceny. Security video captured images of the suspect but the suspect was unidentified. Subsequently, the suspect made a purchase using another person's credit card. While searching for associates of the credit card owner in CJLEADS, the CJLEADS application provided a photo image that was an exact match with the suspect in the video. The photo and information allowed law enforcement to make a positive identification, obtain an accurate address, draw a warrant, make the arrest, and close the case.

North Carolina Department of Insurance, Criminal Investigations Division

During an initial meeting and CJLEADS demonstration with Department of Insurance, investigators requested information about a fugitive they had been trying to arrest for a month and a half. The department had planned to conduct surveillance to apprehend the individual. Using the information from CJLEADS, they determined that the individual was scheduled to appear in New Hanover County court on a traffic charge. When the

fugitive was called for court, investigators were present and took the individual into custody. The lead uncovered in CJLEADS saved three to four investigators several hours of surveillance and resulted in the arrest of a fugitive.

Holly Springs Police Department

A Holly Springs Police Officer who had recently completed CJLEADS training stopped to assist another office during a traffic stop. While questioning one of the individuals in the vehicle, the officer determined that the person had provided a fictitious name. The alias was searched in CJLEADS and the officer found that the individual had outstanding warrants. After confirming the warrants, the person was arrested. The officer proceeded to check the vehicle's remaining occupants in CJLEADS and found that three of the four individuals had outstanding warrants. All were arrested after the warrants were confirmed.

(B). Accomplishments

a. Wake County Pilot Deployment

The CJLEADS project team initiated the Wake County CJLEADS Pilot deployment in May, 2010 with a CJLEADS Application Deployment Information Session. Criminal justice and law enforcement agencies with a presence in Wake County saw a demonstration of the CJLEADS application and received instructions for requesting access to CJLEADS for their organizations.

Agency On-boarding

The CJLEADS Business Operations team has facilitated on-boarding all criminal justice organizations with operational presence in Wake County. To gain access to CJLEADS the agency must:

- Execute the License and Usage Agreement for the CJLEADS Information System

  To ensure the integrity and security of the CJLEADS application and data contents, all criminal justice agencies are required to review the Policy for Access to the CJLEADS Information System. The policy outlines the appropriate use of the application and its data, as well as required security and user authentication policies and procedures.

  End user agencies are required to execute the License and Usage Agreement for the CJLEADS Information System to ensure that the organization will comply with the policies and procedures outlined in the access policy. If an organization fails to adhere to the policies, the organization may lose access to the CJLEADS information system.

  The license agreement also provides organization contact information for technical issues, training, and user administration.

- Provide Agency User Administration

  The CJLEADS application uses North Carolina's Identity Management (NCID) standard for user authentication. All agencies accessing CJLEADS must be established as NCID organizations with the Office of Information Technology (ITS). Most state agencies were previously established as NCID organizations but many local organizations require registration with ITS.

  Agencies must identify personnel responsible for user administration for their organization's authorized users. The CJLEADS Business Operations team provides training and documentation for the NCID user administration utility as well as the CJLEADS administrative tool. The CJLEADS administrative tool provides agencies with the ability to authorize individuals for access into CJLEADS and assign appropriate role-based security. Most of the agency user administration training has been conducted through webinars to reduce cost, minimize travel time for agency personnel and increase scheduling flexibility.

  CJLEADS Business Operations team members act as a resource for agency administrators to assist in agency on-boarding and in resolving user administration issues. CJLEADS Business Operations will conduct periodic reviews of user accounts and activity to ensure that organizations are complying with CJLEADS access policies.

- Schedule Authorized Users for CJLEADS Training

  When an organization's users have been authorized for access to CJLEADS, the agency must schedule those users for CJLEADS training. The CJLEADS business operations team has developed a variety of materials including user guides, administrator guides, frequently asked questions, webinars, and classroom training curriculum to ensure that CJLEADS users have a clear understanding of the system's functionality and data content. Feedback from training class participants and customer support tickets are evaluated to refine and improve training materials.

  When the user completes their training class, their user id is activated for full access to CJLEADS.

CJLEADS Wake Pilot Deployment Status

  The new CJLEADS production environment was provided to over 150 users who had participated in early training sessions and testing activities in the spring of 2010. Training classes for new CJLEADS users began in early August.

  In preparation for end user training and support, the business operations team has worked closely with each agency to ensure that they have completed their on-boarding activities. The team supports training registration efforts and is responsible for the logistics associated with training notifications, computer equipment, materials and documentation, user administration issue resolution and classroom/webinar instruction.

  The business operations team has offered a variety of training opportunities. The majority of the user administration training was offered via webinars which reduced

the amount of travel time and cost associated with preparing agency user administrators to on-board their personnel. A full schedule of end user classroom training has been offered at the training facilities at the Office of the State Controller. In addition, several agencies requested on-site classes to complete training for entire staffs in a short time frame. The training team provided flexible alternatives to fulfill training requirements in the most timely and cost effective manner.

Since deployment began in July, 41of 47 criminal justice organizations with an operational presence in Wake County have completed the activities necessary to allow their personnel to attend training and gain access to the CJLEADS application. As of September 30, 2010, over 1,000 users have been established in CJLEADS and are training or currently using the application. A full schedule of in-house training classes will continue in Wake County through the end of October as well as Train the Trainer classes with several of the larger agencies. The deployment activities and training schedule will provide the opportunity for all users with a presence in Wake County to complete training and access CJLEADS by the end of October, 2010.

Customer Support Services

The CJLEADS project team recognized that 24x7 customer support for criminal justice professionals was a critical business operations component for deploying the application. To reduce costs and leverage existing infrastructure and customer support personnel, the OSC collaborated with the DOJ Information Technology Division (DOJ-ITD) Customer Support Center to provide help desk assistance for CJLEADS users and administrators. A Memorandum of Understanding outlines the support relationship between OSC and DOJ-ITD. The DOJ-ITD staff will provide initial 24x7 incident response support while CJLEADS project team members at OSC and SAS will provide secondary support for escalated incidents.

CJLEADS Wake Pilot Evaluation

The CJLEADS rollout and training schedule should allow nearly all of the 3,000 users in Wake County to be actively using the application by the end of October, 2010. The project team will use a variety of metrics to evaluate the system's performance against expectation. This evaluation of performance will enable the team to optimize the application, improve and refine business operations and effectively plan for expansion statewide.

Quantitative metrics to evaluate system acceptance and performance may include:

- Number of criminal justice organizations on-boarded with active users
- Number of daily users
- Number of daily offender searches and number of records accessed per user
- Number of printed reports
- Evaluation of customer support statistics
- Training attendance

Qualitative performance will be evaluated through feedback from CJLEADS users obtained through surveys, one-on-one contact and other methods of communications.

b. Technical Data Center Environment

The CJLEADS application is currently housed in a SAS technical environment. The State and SAS collaborated to develop a technical architecture design that provides two active data center sites to ensure for high availability and failover of the system. If one environment encounters a hardware failure or power outage, the remaining site can support all users until the first site is restored.

The technical environment has been designed to support the statewide deployment of CJLEADS. The Wake County deployment provided the capacity for 3,000 users. As the project team continues with future rollouts statewide, CJLEADS capacity will grow to approximately 30,000 users. As additional users are added to the system, the production environment will continue to be optimized to ensure system performance meets the needs of the end users.

Session Law 2010-31, Senate Bill 897 directs the transfer of the hosting of CJLEADS to the Department of Justice to be completed by July 1, 2012. To comply with this legislative mandate, the CJLEADS project team, in collaboration with SAS and DOJ-IT, has started migration and transition planning activities.

c. Design and Development

The project development continues with a formal, yet flexible approach for requirements definition and design.   Each new data source and major deliverable is defined by a detailed business requirements document and will be supported with two development releases; alpha and beta. During the alpha, or initial release of new requirements, users will be able to test the application and data and fine tune the business rules. The beta, or second release, will incorporate changes identified during the alpha testing period and will allow for final testing before sign-off of the system functionality.

The project team continues to define business requirements to support new sources of data and user functionality for the CJLEADS application.

Release II of the CJLEADS Application

Design and development of remaining activities will continue throughout the fall and winter. Release II of the application will be deployed in the fall of 2010 and will include the following new functionality:

- Department of Transportation, Division of Motor Vehicles – DMV License, Registration and Driving Records

The Division of Motor Vehicles (DMV) currently maintains North Carolina driver's license records and vehicle registrations. The CJLEADS project team has identified DMV data as critical information to support law enforcement officers. The DOT/DMV project team completed the definition of business, technical and security requirements to establish a system interface to incorporate DMV driver license information, photographic image, and vehicle registration information into the CJLEADS application. Testing and refinement of the real-time data interface to the DMV is underway.

Because DMV data may include "citizen" or non-offender information, DMV data is not integrated with offender information and has been incorporated into the CJLEADS application in separate query screens. DMV data is available to specific security roles as defined in the business rules. All DMV queries will be captured in the CJLEADS audit logs.

- State Bureau of Investigation – NC Sex Offender Registration Records

  The NC Sex Offender Registration Records have been identified as valuable information to be included in the CJLEADS application. Data source definitions, business and security requirements have been developed and approved by the SBI.

  The CJLEADS project team in coordination with DOJ is currently testing and refining the integration of the NC Sex Offender Registration records in CJLEADS.

- Clustering Refinement

  Clustering is the process of merging offender records from different data sources into a single cluster of information for an individual. Data quality, missing and inconsistent data presents a challenge in accurately clustering the data. This lack of information results in records which remain isolated because they cannot be definitively matched with other records. Incorrect data may result in records being incorrectly merged together resulting in a cluster that is defined as "high risk." CJLEADS users are trained in how the clustering process works, and all high risk clusters are clearly identified in the system.

  The project team continues to refine the clustering process to reduce the number of isolated or single records. New business rules have been implemented that decreased the number of high risk clusters by nearly 17%. In addition, as data quality issues are identified, detailed information is provided to the data source agencies where efforts are made to correct and clean the data values.

- NCID Next Generation

  ITS is currently working on the implementation of an upgraded version of NCID, called NCID New Generation (NG). The target schedule for NCID NG implementation is fall, 2010. The SAS project team has complete the required modifications to the user administration utility for the NCID upgrade. In addition, new user administration reports and functionality has been developed using the upgraded NCID technology.

- Refresher Training

  To ensure that all existing users understand the new functionality associated with Release II, the CJLEADS Business Operations team will develop end user refresher training that will instruct users on the new functionality and data available. To minimize cost and lost work time, the refresher training will be offered via web-based training and end user documentation.

- Penetration Testing

  As defined in the contracted services, SAS worked with an independent third party vendor to conduct penetration testing on the hosted technical environment. Penetration testing activities assess the technical environment and identify any areas that may need to be addressed to ensure the security and integrity of the technical environment. The initial penetration testing resulted in a "Highly Secure" rating for the CJLEADS application.

  As each new release of the application is deployed, penetration testing will be repeated to continue to ensure the security and integrity of the application.

Release III of the CJLEADS Application

Development will continue to incorporate additional sources of criminal justice information in CJLEADS Release III in spring, 2011. Business requirements and data definition activities are currently underway for these development activities:

- Offender Merge Capability – incomplete or limited identifying information often prevents the ability to merge all records for an offender together into a single cluster of information. As the criminal justice professional reviews multiple clusters of information about a person, he/she may need to view all the information presented as a single cluster.

- NC Concealed Handgun Permit - data source definitions, business requirements and security have been provided by the SBI.

- Web service to provide more "real-time" data to CJLEADS for time sensitive information from the NCAWARE on-line warrant system.

- NC Wildlife Resource Commission licenses and vessel registrations.

- City County Bureau of Identification (CCBI) identifying information for any offender arrested in Wake County. The information contained in CCBI's database will provide valuable identifying data about offenders as well as improving the ability to cluster offender information in CJLEADS.

- Identification of the technical requirements and development of a plan to establish a Disaster Recovery site at the ITS Western Data Center.

- Identification of the technical requirements, support personnel, training and skills, and activities to migrate the pilot application to a state-hosted data center environment.

- Administrative Office of the Courts – Juvenile Case Records

  The AOC and DJJDP have developed many of the business requirements to incorporate juvenile court case information from the Juvenile Casewise (JWISE) system. Juvenile justice information is tightly secured, and the integration of any juvenile information must comply with all State and Federal guidelines. JWISE information will be controlled with role-based security defined by the AOC.

  Access to juvenile court records will be limited to district attorneys, judges, and juvenile court counselors. Magistrates will have access to certain juvenile court case records under specific circumstances as defined by law.

  Due to limited resources available to complete the final business requirements, development of the JWISE data has been delayed.

- 508 Compliance

  Section 508 is an amendment to the Rehabilitation Act of 1973, which requires that electronic and information technology developed, procured, maintained or used by the Federal government be accessible to people with disabilities. Technology is considered accessible if it can be used as effectively by individuals with disabilities, as it can by those without. While CJLEADS is not a Federal application, future development may result in interfaces with Federal systems or may leverage Federal funding.

  The design and development of the CJLEADS application has given strong consideration to the accessibility issues. As a result the application currently meets many of the accessibility compliance requirements. For example, individuals with vision impairment or color blindness may not be able to detect color variations on the screen, and therefore may miss the meaning of a red icon on a CJLEADS screen. CJLEADS was designed to display textual information that provides the same meaning as the colored icon.

  SAS 508 Compliance experts are currently evaluating the CJLEADS application for accessibility and will provide a compliance rating at the conclusion of the evaluation. A number of accessibility enhancements will be included in Release II of the application and the compliance team will re-evaluate the application after the new features are available. If specific accessibility needs are identified in the future, the project team will work with SAS to determine the optimal approach to meeting those requirements.

d. Statewide Deployment

In addition to finalizing the Wake County rollout, the project team has developed a recommendation for the statewide deployment of CJLEADS and is reviewing the recommended approach with the Department of Justice. The CJLEADS application contains statewide information and is architected to support full statewide implementation.

The cost of CJLEADS technical operations remains constant regardless of the number of users and geographic deployment. The incremental increase in business operations cost to support statewide deployment is related to travel, time and expenses associated with deployment activities and training costs as well as expanded customer support staff as the user population grows.

Based upon the success stories from deployment to a minimum number of Wake County users, however, the value added in better informed and more efficient decisions, reduced time researching information and ultimately increased public safety for the citizens of North Carolina justifies the statewide deployment of CJLEADS.

The deployment recommendation considered three alternatives for training and rollout of the application. Each alternative included a phased rollout based on a variety of factors including population and crime statistics, geographic location, number of law enforcement organizations, cost and time to deploy.

The first alternative proposed rollout county-by-county based specifically on population and crime statistics. The second alternative defined the rollout with a regional approach to reach larger contiguous geographic areas in each phase, still focusing on reaching the highest population and crime areas first. The third approach outlined a rollout based on the interstate highway system recognizing concentrations of criminal activity along the interstate corridors.

After review of the alternatives, the OSC recommends an aggressive regional deployment approach over 18 months beginning in January, 2011. The deployment will provide all federal, state and local criminal justice organizations with operational presence in the State of North Carolina the opportunity to complete on-boarding activities and begin training personnel for access to CJLEADS. To minimize deployment costs, the business operations team will work closely with state and local organizations to leverage available training facilities, implement Train the Trainer programs, minimize travel through the use of web-based training classes and up to date electronic documentation.

e. Project Management

The implementation of integrated data creates a paradigm shift where single-focused data becomes enterprise information. Recognizing the challenges that accompany this shift and the need to develop a new model of shared governance to support the integrated delivery of criminal justice information, senior leadership from the Executive and Judicial branches of government as well as various Federal and local law enforcement agencies have agreed to serve on an Interagency Leadership Governance Council. The Interagency Leadership Governance Council will provide leadership, collaborate on the development of appropriate policies and uniform standards and implement appropriate business strategies for support of Criminal Justice enterprise information exchange.

f. Communication

OSC personnel continue to share the mission, objectives and status of the CJLEADS project with criminal justice organizations and senior leadership. Group and individual presentations, as well as training sessions for test users, have been made since July 1, 2010 to the following audiences:

- State, County and Local Organizations during Wake County Deployment
- North Carolina Police Executives Association, July 19, 2010
- Department of Justice Human Resources Management, July 20, 2010
- BEACON Steering Committee, August 19, 2010
- National Associate of State Drug Enforcement Agencies, September 14, 2010
- Mecklenburg County Criminal Justice Advisory Group, September 21, 2010
- Interagency Leadership Council, September 28, 2010

(C). Challenges

The integration of data across disparate applications brings with it many challenges. The following issues have been identified:

a. Funding Availability

Given the current economic conditions, funding for the CJLEADS application development, statewide rollout and on-going operations and maintenance represents a significant financial challenge.

$9.5 million was requested to fully fund the project for FY 2010-2011. The FY 2010-2011 budget provided $8.8 million, with $8.3 in recurring funds, to continue the development, operations, deployment of CJLEADS to Wake County, and potential expansion beyond Wake County. The reduced funding delays hiring and training of a number of the project support personnel positions until later in the fiscal year.

Session Law 2010-31, House Bill 897, directs that the transfer of the hosting of CJLEADS to the Department of Justice shall be completed by July 1, 2012. To maintain

operations in FY 2011-2012, the full annualized recurring funds will be needed to staff the technical and business operations support team, maintain current operations, and deploy the application statewide. In addition, the migration of the application from the SAS hosted data center to the Department of Justice and the creation of a disaster recovery site will require additional funds to procure, install and configure hardware, provide for migration services to load software and transfer the application data and programs, test and run the application parallel in both the SAS and DOJ environments, and finally cutover production to the state environment. Preliminary estimated costs are listed below:

Estimated Costs

		FY 2008-2009	FY 2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	FY 2013-2014
		Actual	Actual	Estimated Cost	Estimated Cost	Estimated Cost	Estimated Cost
SAS Hosted Solution							
State Personnel Resources		$128,090	$390,601	$2,195,283	$2,623,730	$2,575,000	$2,575,000
Development/Hardware/Software		$2,000,000	$7,252,426	$6,664,805	$6,236,358	$6,425,000	$6,425,000
Migration/ Disaster Recovery					$2,732,882	$0	$0
	Total	**$2,128,090**	**$7,643,027**	**$8,860,088**	**$11,592,970**	**$9,000,000**	**$9,000,000**

* FY 2011-2012 includes estimated costs to procure hardware, establish a technical environment in a state hosted facility, migrate the application to the state hosted facility and develop a Disaster Recovery site.

Preliminary estimated costs represent direct project costs including vendor licensing, continued design and development, data center hosting costs including hardware refresh and maintenance, software licensing, operations and support, and full-time project personnel.

Return on Investment

CJLEADS has a three-year estimated cost of $30 million to support 30,000 criminal justice professionals statewide, including approximately $2.7 million to migrate the application to a state environment and establish a disaster recovery site in year 3 (FY 2011 – 2012). Initial estimates of on-going operations and maintenance are approximately $9 million annually.

Intangible benefits of implementing the pilot application in Wake County are estimated to be approximately $7.19 million annually.   These projected savings include:

- CJLEADS will provide a more efficient method for law enforcement searches by providing a wider variety of information through a single search facility. Estimates indicate that law enforcement officers would conduct 4 searches per hour of the work day. If one-third of the law enforcement officers in Wake County (1,000 LEOs) save one minute per search, the cost savings annually would be approximately $4.87 million. This does not represent a reduction in workforce, but improved efficiency as well as improved information and decision making by law enforcement officers.
- Wake County courts estimate that CJLEADS will save 33% of the resource time required to research information per court case. Based on 14,500 felony cases per year, CJLEADS would save $72,500 annually in Wake County for felony case research. This does not represent a reduction in workforce, but an improved efficiency as well as improved information and decision making by court officials.

- Similar to an appraisal of the value of life in court cases, based upon life span and earning potential, an average estimate of the value of a life saved is $1.125 million. If the use of CJLEADS saves 2 lives annually, the intangible benefit is $2.25 million per year.

These numbers are based on the application in a Wake County environment only and would multiply as the application is expanded for statewide consumption. Given these intangible benefits compared to project costs, the return on investment analysis demonstrates a project break-even timeframe of four years, or after the second full year of operations. The Return on Investment analysis in provided in Appendix F.

Expenditures FY 2010 - 2011

Expenditures as of August 30, 2010 are provided below:

As of August 30, 2010		Estimated	Actual	Available Balance
CJLEADS Funding				
Recurring Funding	*	$8,360,088		
Non-recurring Funding		500,000		
Miscellaneous Expenditures				
		$8,860,088		
CJLEADS Expenditures				
Total Project FY 2010 - 2011		$8,860,088		
State Project Team Expenditures			$151,757	
Pilot Hosting Contract Services			$2,438,991	
Pilot Development Contract Services			$454,838	
SAS ELA Renewal				
Miscellaneous Expenditures			$5,959	
CJLEADS Total		$8,860,088 *	$3,051,545	$5,808,544

  * Initial budget documents requested total funding of $9.5 million. Reduced budget results in deferring positions until later in the fiscal year. When positions are filled, annualized funding to support those positions will be required.

<u>Funding</u>

Senate Bill 897 Session Law 2010-31 provides $8.8 million in funding for FY 2010-2011. The following chart provides a summary of funding allocation to support the production implementation of the CJLEADS Wake County Pilot application.

FY 2010 - 2011

	Appropriated/ Available	Committed/ Expended
CJLEADS Funds		
FY 2010-2011 Appropriation	$8,860,088	
SAS Contractual Hosting Services		$2,438,991
SAS Contractual Development Services		$2,225,814
SAS Judicial Branch License		$2,000,000
State Project Team Expenditures		$2,195,283
CJLEADS Total	**$8,860,088**	**$8,860,088**
Unexpended Data Integration Funds	$3,784,221	
Executive Branch ELA Renewal		$2,000,000 *
CJLEADS Total	**$3,784,221**	**$2,000,000**
Total	**$12,644,309**	**$10,860,088**

* Senate Bill 897 Session Law 2010-31 directs $2,000,000 to the Executive Branch ELA.

b. Resource Availability

The CJLEADS state project team is comprised of over 100 state employees from various agencies. Most of these personnel resources are participating on the CJLEADS project in addition to completing their day-to-day job responsibilities. While the state project team has been actively engaged and supportive of the project, limited resources within each agency, as well as conflicting projects and priorities, have at times impacted the ability of those resources to meet project deadlines and provide the responsiveness necessary to maintain the project schedule.

The OSC will collaborate with data source agencies to develop agreements that establish a funding source for agency support resources that maintain and support the data interfaces with CJLEADS.

With recurring funds, the OSC has hired additional resources dedicated to the development and operational support of the CJLEADS project and continues to develop a skill sets necessary to assist in project development and sustainability.

c. Data Accessibility

While significant progress has been made in integrating North Carolina's criminal justice data, several issues continue to be a challenge to complete integration. The challenge of accurately matching data for disparate source systems, ensuring data quality and accuracy and providing adequate security and auditing of data access remains a challenge to the project team. The project team continues to refine data formats, business rules, and system functionality to ensure the quality and accuracy of the data.

(D). Next Steps

The following activities will be undertaken during the fourth quarter of 2010:

1. Complete the Wake County Pilot Rollout
   a. Complete remaining training and deployment activities
   b. Evaluate pilot application performance and feedback from end user organizations
   c. Refine/optimize the application based on pilot evaluation

2. Release II – Fall, 2010

   a. NC DMV Driver's License and Vehicle Registration data interface
   b. NC Sex Offender Registry data
   c. Cluster Refinement
   d. Additional Reporting functionality
   e. NCID Upgrade

3. Begin work on additional design/development activities including

   a. Modify the application to provide night vision for law enforcement officers
   b. Incorporate NC Concealed Handgun Permit information
   c. Incorporate Wildlife license and vessel registration information
   d. Incorporate CCBI data
   e. Resolve remaining issues with AOC juvenile court records and complete the incorporation of JWISE data
   f. Design and develop web services for automation and more "real-time" data interfaces
   g. Develop a disaster recovery plan
   h. Develop a migration plan to migrate the pilot application to a state-hosted data center environment

4. Planning and initial activities in preparation for the statewide deployment beginning January, 2011.

5. Planning and initial activities for the migration of the application to the Department of Justice.

6. The Interagency Leadership Council will provide guidance and support for the CJLEADS application deployment. The council will address future governance

structure and procedures to support the migration and operations and maintenance of CJLEADS in a production environment.

7. The State project team will document areas for continuous improvement and future enhancements for the CJLEADS application.

Appendix A: SESSION LAW 2007-323, HOUSE BILL 1473

AN ACT TO MAKE BASE BUDGET APPROPRIATIONS FOR CURRENT OPERATIONS OF STATE DEPARTMENTS, INSTITUTIONS, AND AGENCIES, AND FOR OTHER PURPOSES.

BEACON DATA INTEGRATION

SECTION 6.8.(a) The Office of the State Controller, in cooperation with the State Chief Information Officer, shall develop a Strategic Implementation Plan for the integration of databases and the sharing of information among State agencies and programs. This plan shall be developed and implemented under the governance of the BEACON Project Steering Committee and in conjunction with leadership in State agencies and with the support and cooperation of the Office of State Budget and Management. This plan shall include the following:

    (1)   Definition of requirements for achieving statewide data integration.

    (2)   An implementation schedule to be reviewed and adjusted by the General Assembly annually based on funding availability.

    (3)   Priorities for database integration, commencing with the integration of databases that the BEACON Project Steering Committee identifies as most beneficial in terms of maximizing fund availability and realizing early benefits.

    (4)   Identification of current statewide and agency data integration efforts and a long-term strategy for integrating those projects into this effort.

    (5)   Detailed cost information for development and implementation, as well as five years of operations and maintenance costs.

While it is the intent that this initiative provide broad access to information across State government, the plan shall comply with all necessary security measures and restrictions to ensure that access to any specific information held confidential under federal and State law shall be limited to appropriate and authorized persons.

SECTION 6.8.(b) The State Controller shall serve as Chairman of the BEACON Project Steering Committee (Committee). The other members of the Committee shall include the State Chief Information Officer, the State Personnel Director, the Deputy State Budget Director, and the Department of Transportation's Chief Financial Officer.

SECTION 6.8.(c) Of the funds appropriated from the General Fund to the North Carolina Information Technology Fund, the sum of five million dollars ($5,000,000) for the 2007-2008 fiscal year shall be used for BEACON data integration as provided by subsection (a) of this section. The Office of the State Controller, in coordination with State agencies and with the support of the Office of State Budget and Management, shall identify and make all efforts to secure any federal matching funds or other resources to assist in funding this initiative.

Funds authorized in this section may be used for the following purposes:

    (1)   To support the cost of a project manager to conduct the activities outlined herein reportable to the Office of the State Controller.

    (2)   To support two business analysts to provide support to the program manager and agencies in identifying requirements under this program.

    (3)   To engage a vendor to develop the Strategic Implementation Plan as required herein.

    (4)   To conduct integration activities as approved by the BEACON Project Steering Committee. The State Chief Information Officer shall utilize current enterprise licensing to implement these integration activities.

SECTION 6.8.(d) The Office of the State Controller, with the assistance of the State Chief Information Officer, shall present the Strategic Implementation Plan outlined by this section to the 2007 Regular Session of the General Assembly when it convenes in 2008 for action as deemed appropriate. This plan shall be completed not later than April 30, 2008.

Prior to the reconvening of the 2007 Regular Session of the General Assembly in 2008, the Office of the State Controller shall provide semiannual reports to the Joint Legislative Oversight Committee for Information Technology. Written reports shall be submitted not later than October 1, 2007, and April 1, 2008, with presentations of the reports at the first session of the Joint Legislative Oversight Committee on Information Technology following the written report submission date. The Joint Legislative Oversight Committee on Information Technology shall then report to the Joint Legislative Commission on Governmental Operations.

SECTION 6.8.(e) Neither the development of the Strategic Information Plan nor the provisions of this section shall place any new or additional requirements upon The University of North Carolina or the North Carolina Community College System.

Ratified July 31, 2007

Appendix B: SESSION LAW 2008-107, HOUSE BILL 2436

AN ACT TO MODIFY THE CURRENT OPERATIONS AND CAPITAL APPROPRIATIONS ACT OF 2007, TO AUTHORIZE INDEBTEDNESS FOR CAPITAL PROJECTS, AND TO MAKE VARIOUS TAX LAW AND FEE CHANGES.

CRIMINAL JUSTICE DATA INTEGRATION PILOT PROGRAM

SECTION 6.15.(a) The General Assembly finds that the State's Uniform Crime Reporting technology is based on procedures developed in the 1930s and a design plan developed in the late 1980s. Based on recent unfortunate events, it is abundantly clear that the State must establish a framework for sharing critical information, and the framework must be implemented as soon as possible. With improved access to timely, complete, and accurate information, the members of the General Assembly, leadership in State and local law enforcement agencies, law enforcement officers, and everyone working in the criminal justice system can enhance their ability to make decisions on behalf of the people of the State, with fewer decisions based on instinct or guesswork.

The General Assembly further finds that the April 2008 Beacon Report on a Strategic Plan for Data Integration recommends the development and implementation of a Crime Reporting Re-Design Project, a statewide crime analysis system designed to save time, save money, and save lives.

SECTION 6.15.(b) The Office of the State Controller, in cooperation with the State Chief Information Officer, and under the governance of the BEACON Project Steering Committee, shall by May 1, 2009, develop and implement a Criminal Justice Data Integration Pilot Program in Wake County in cooperation and communication with the advisory committee established pursuant to subsection (c) of this section and the leadership of State and local agencies. This pilot program shall integrate and provide up-to-date criminal information in a centralized location via a secure connection for use by State and local government. The pilot program vendor shall be selected by October 1, 2008.

While it is the intent that this initiative provide a broad new access to information across State government, the plan shall comply with all necessary security measures and restrictions to ensure that access to any specific information held confidential under federal and State law shall be limited to authorized persons.

SECTION 6.15.(c) The Advisory Committee to the Criminal Justice Data Integration Pilot program is hereby established. The Advisory Committee shall consist of the following members:
(1)   The District Attorney for Prosecutorial District 10, who shall serve as chair.
(2)   The senior resident superior court judge for Superior Court Districts 10A through 10D.
(3)   A Wake County magistrate designated by the senior resident superior court judge.
(4)   The Clerk of Superior Court of Wake County.
(5)   The sheriff of Wake County.
(6)   The judicial district manager for District 10 of the Division of Community Corrections.
(7)   The chief court counselor for District Court District 10.
(8)   The president of Duke University and the chancellor of The University of North Carolina, or their designees.

SECTION 6.15.(d) The Advisory Committee, the Department of Justice, the Administrative Office of the Courts, the Department of Juvenile Justice and Delinquency Prevention, the Department of Correction, the Department of Crime Control and Public Safety, the Department of Transportation, and local law enforcement agencies shall fully cooperate with the Office of the State Controller and the State Chief Information Officer, under the guidance of the BEACON Steering Committee, to identify the informational needs, develop a plan of action, provide access to data, and implement secure integrated applications for information sharing of criminal justice and corrections data.

SECTION 6.15.(e) Of the funds appropriated in this act, the sum of five million dollars ($5,000,000) may be used to support the Criminal Justice Data Integration Pilot Program. Other funds available to BEACON may also be used for this purpose.

The Office of the State Controller, with the support of the Office of State Budget and Management, shall identify and make all efforts to secure any matching funds or other resources to assist in funding this initiative.

SECTION 6.15.(f) The Office of the State Controller, with the support of the Advisory Committee and the State Chief Information Officer, shall provide a written report of the plan's implementation progress to the House of Representatives and Senate Appropriations Committees, to the Joint Legislative Oversight Committee on Information Technology, and to the Fiscal Research Division on a quarterly basis beginning October 1, 2008.

BEACON DATA INTEGRATION

SECTION 6.16.(a) The Office of the State Controller, in cooperation with the State Chief Information Officer, shall begin implementation of the Beacon Strategic Plan for Data Integration, issued in April 2008. This plan shall be implemented under the governance of the BEACON Project Steering Committee and in conjunction with leadership in appropriate State agencies and with the support and cooperation of the Office of State Budget and Management.

While it is the intent that this initiative provide broad access to information across State government, the plan shall comply with all necessary security measures and restrictions to ensure that access to any specific information held confidential under federal and State law shall be limited to appropriate and authorized persons.

SECTION 6.16.(b) The State Controller shall serve as the Chairman of the BEACON Project Steering Committee. The other members of the committee shall be the State Chief Information Officer, the State Treasurer, the Attorney General, the Secretary of Correction, the Administrative Officer of the Courts, the State Budget Officer, and the Chief Financial Officer of the Department of Transportation.

SECTION 6.16.(c) Of the funds appropriated from the General Fund to the North Carolina Information Technology Fund, the sum of five million dollars ($5,000,000) for the 2008-2009 fiscal year shall be used for BEACON data integration as provided by subsection (a) of this section. Funds to support this activity shall also be the unexpended balance from the funds appropriated for BEACON/Data Integration Funds in Section 5.3(b) of S.L. 2007-323. The Office of the State Controller, with the support of the Office of State Budget and Management, shall identify and make all efforts to secure any matching funds or other resources to assist in funding this initiative.

SECTION 6.16.(d) Funds authorized in this section may be used for the following purposes:

    (1)   To support the cost of a project manager to conduct the activities outlined herein reportable to the Office of the State Controller.

    (2)   To support two business analysts to provide support to the program manager and agencies in identifying requirements under this program.

(3)   To establish a Business Intelligence Competency Center (BICC), a collaborative organization comprised of both technical and business stakeholders, to support and manage the business need for analytics through the development of standards and best practices.

(4)   To engage a vendor to implement the Strategic Implementation Plan as required herein.

(5)   To conduct integration activities as approved by the BEACON Project Steering Committee. The State Chief Information Officer shall use current enterprise licensing to implement these integration activities.

SECTION 6.16.(e) Prior to the convening of the 2009 General Assembly, the Office of the State Controller shall provide semiannual reports to the Joint Legislative Oversight Committee for Information Technology. Written reports shall be submitted not later than October 1, 2008, and April 1, 2009, with presentations of the reports at the first session of the Joint Legislative Oversight Committee on Information Technology following the written report submission date. The Joint Legislative Oversight Committee on Information Technology shall then report to the Joint Legislative Commission on Governmental Operations.

SECTION 6.16.(f) Neither the implementation of the Strategic Information Plan nor the provisions of this section shall place any new or additional requirements upon The University of North Carolina or the North Carolina Community College System.

Ratified July 16, 2008

SESSION LAW 2008-118, HOUSE BILL 2438

AN ACT TO MAKE TECHNICAL, CLARIFYING, AND OTHER MODIFICATIONS TO THE STATE BUDGET.

SECTION 2.3. Section 6.16(b) of S.L. 2008-107 reads as rewritten:
    "**SECTION 6.16.(b)** The State Controller shall serve as the Chairman of the BEACON Project Steering Committee. The other members of the committee shall be the State Chief Information Officer, the State Treasurer, the Attorney General, the Secretary of Correction, the Administrative Officer of the Courts, the State Budget Officer, the Secretary of Administration, and the Chief Financial Officer of the Department of Transportation."

Ratified July 18, 2008

Appendix C: SESSION LAW 2009-451, Senate Bill 202

AN ACT TO MAKE BASE BUDGET APPROPRIATIONS FOR CURRENT OPERATIONS OF STATE DEPARTMENTS, INSTITUTIONS, AND AGENCIES, AND FOR OTHER PURPOSES.

BEACON DATA INTEGRATION

SECTION 6.9.(a) The Office of the State Controller, in cooperation with the State Chief Information Officer, shall continue the implementation of the BEACON Strategic Plan for Data Integration, issued in April 2008. The plan shall be implemented under the governance of the BEACON Project Steering Committee and in conjunction with leadership in appropriate State agencies and with the support and cooperation of the Office of State Budget and Management.

While it is the intent that this initiative provide broad access to information across State government, the plan shall comply with all necessary security measures and restrictions to ensure that access to any specific information held confidential under federal or State law shall be limited to appropriate and authorized persons.

SECTION 6.9.(b) The Office of State Controller shall give the Criminal Justice Data Integration Pilot Program first priority for funding and for system development and implementation.

The Office of State Controller shall determine the amount of funding required to (i) fully support the Criminal Justice Data Integration Pilot Program effort and (ii) develop full operational capability in Wake County during the 2009-2010 fiscal year. The Office of State Controller shall not otherwise obligate these funds.

SECTION 6.9.(c) By September 1, 2009, the Office of State Controller shall report to the Joint Legislative Oversight Committee on Information Technology and to the Fiscal Research Division on (i) funding requirements and sources of funds for the Criminal Justice Data Integration Pilot Program for the 2009-2010 fiscal year and (ii) the anticipated uses of any remaining funds for the BEACON Data Integration Program. The Office of State Controller shall spend funds to support the BEACON Data Integration Program only as is specifically authorized in Section 6.16(d) of S.L. 2008-107.

By October 1, 2009, the Office of State Controller, in coordination with the State Chief Information Officer, shall also report on future costs for implementing the BEACON Data Integration Program, including outside vendor costs. This report shall include a detailed explanation of potential costs and the efforts participating agencies are making to reduce these costs. This report shall be presented to the Joint Legislative Oversight Committee on Information Technology and written reports shall be provided to the House of Representatives and Senate Appropriations Committees and to the Fiscal Research Division.

CRIMINAL JUSTICE DATA INTEGRATION PILOT PROGRAM

SECTION 6.10.(a) The Office of the State Controller, in cooperation with the State Chief Information Officer and under the governance of the BEACON Project Steering Committee, shall continue the development of the Criminal Justice Data Integration Pilot Program in Wake County as specified in Section 6.15 of S.L. 2008-107. The Office of State Controller shall achieve and demonstrate full operational capability of the pilot program in Wake County before the system is expanded to other areas of the State.

SECTION 6.10.(b) The Criminal Justice Data Integration Pilot Program shall continue to comply with all necessary security measures and restrictions to ensure that access to any

specific information held confidential under federal and State law shall be limited to authorized persons.

      SECTION 6.10.(c) The Office of State Controller shall develop a detailed plan for the statewide expansion of the Criminal Justice Data Integration Pilot Program. This plan shall include the following:

      (1)   An implementation schedule;

      (2)   The requirements individual users must meet to participate in the program;

      (3)   Detailed cost information for the development and implementation of a statewide system, including any user costs;

      (4)   A governance structure for management and oversight of the system; and

      (5)   Any other issues associated with the implementation of the system.

The Office of State Controller shall submit this plan to the House of Representatives and Senate Appropriations Committees, the Joint Legislative Oversight Committee on Information Technology, and the Fiscal Research Division by January 31, 2010.

      SECTION 6.10.(d) The Office of State Controller shall work with the data integration software vendor to ensure that licenses are obtained at the least possible cost.

      SECTION 6.10.(e) A State agency data center shall host the Criminal Justice Data Integration Pilot Program. The Office of State Controller shall identify a State data center to host the program and shall report its recommendation to the Joint Legislative Oversight Committee on Information Technology by August 31, 2009.

      SECTION 6.10.(f) Funds appropriated for the Criminal Justice Data Integration Pilot Program shall only be used for that program. The Criminal Justice Data Integration Pilot Program shall have first priority for funds available to the BEACON Data Integration Program.

      SECTION 6.10.(g) The Office of State Controller shall continue to provide quarterly written reports on the program's progress to the House of Representatives and Senate Appropriations Committees, to the Joint Legislative Oversight Committee on Information Technology, and to the Fiscal Research Division beginning October 1, 2009.

Appendix D: SESSION LAW 2010-31, HOUSE BILL 897

CRIMINAL JUSTICE LAW ENFORCEMENT AUTOMATED DATA SERVICES (CJLEADS)

        SECTION 6.10.(a) The Department of Justice and the Office of the State Controller, in cooperation with the State Chief Information Officer, shall:

        (1)   Continue the implementation of the Criminal Justice Data Integration Pilot Program, which is now known as the Criminal Justice Law Enforcement Automated Data Services (CJLEADS), in Wake County;

        (2)   Develop a plan to transition CJLEADS to the Department of Justice beginning July 1, 2011, with all the elements of a Type I transfer as defined in G.S. 143A-6; and

        (3)   Provide quarterly reports on the status of the Program and the transition plan to the Joint Legislative Oversight Committee on Information Technology beginning October 1, 2010.

The Office of the State Controller shall not expand CJLEADS beyond Wake County without prior coordination with the Department of Justice.

        SECTION 6.10.(b) The Department of Justice shall administer CJLEADS with the assistance of a Leadership Council consisting of:

        (1)   The Attorney General;

        (2)   The Director of Administrative Office of the Courts;

        (3)   The Secretary of the Department of Correction;

        (4)   The Secretary of Crime Control and Public Safety;

        (5)   The Secretary of the Department of Juvenile Justice and Delinquency Prevention;

        (6)   The Commissioner of Motor Vehicles, Department of Transportation;

        (7)   The President of the North Carolina Association of Chiefs of Police;

        (8)   The Executive Vice President of the North Carolina Sheriffs' Association, Inc.;

        (9)   A representative of the Federal Bureau of Investigation, who shall be a nonvoting member;

        (10)   The State Controller; and

        (11)   The State Chief Information Officer.

        SECTION 6.10.(c) Data that is not classified as a public record under G.S. 132-1 shall not be considered a public record when incorporated into the CJLEADS database.

        SECTION 6.10.(d) To maintain the confidentiality requirements attached to the information provided to CJLEADS by the various State and local agencies, each source agency providing data for CJLEADS shall be the sole custodian of the data for the purpose of any request for inspection or copies thereof under Chapter 132 of the General Statutes. CJLEADS shall only allow access to data from the source agencies in accordance with rules adopted by the respective source agencies.

        SECTION 6.10.(e) The transfer of the hosting of CJLEADS to the Department of Justice shall be completed by July 1, 2012.

Appendix E: Criminal Justice Pilot Program Committee Membership

BEACON Program Data Integration Steering Committee

Agency	Representatives
Office of the State Controller	David McCoy, State Controller – Committee Chair
Office of Information Technology Services	Jerry Fralick, State CIO
Department of Correction	Alvin Keller, Secretary of Correction
Department of Administration	Moses Carey, Secretary of Administration
Department of Transportation	Mark Foster, Chief Financial Officer
Department of the State Treasurer	Janet Cowell, State Treasurer
North Carolina Department of Justice	Robin Pendergraft, Director, State Bureau of Investigation
Office of State Budget and Management	Charlie Perusse, State Budget Director
Administrative Office of the Courts	Judge John Smith, Director, Administrative Office of the Courts

Advisory Committee

Representatives
Colon Willoughby, Wake County District Attorney - Committee Chair
Maggie Brewer, 10th Judicial District Manager, Division of Community Corrections
Howard Cummings, Wake County Assistant District Attorney
Lorrin Freeman, Clerk of Superior Court, Wake County
Barker French, appointee representing President of Duke University
Sheriff Donnie Harrison, Wake County Sheriff's Office
Diane Isaacs, Acting 10th Judicial District Manager, Division of Community Corrections
Tim Montgomery, Chief Juvenile Court Counselor, 10th Judicial District
Judge Robert Rader, Chief District Court Judge, 10th Judicial District
Judge Donald Stephens, Senior Resident Superior Court Judge, 10th Judicial District
Magistrate Judge Gary Wills, Chief Magistrate Judge, 10th Judicial District
Chris Creech, Information Technology Manager for the Wake County, Sheriff's Office
Professor Joe Kennedy, University of North Carolina

Collaborative Agencies

Representation
Department of Justice
Administrative Office of the Courts
Department of Juvenile Justice and Delinquency Prevention
Department of Correction
Department of Crime Control and Public Safety
Department of Transportation
Local Law Enforcement Agencies

Agency Deployment Status

Agency Name	Complete	In Training	Onboarding	Signed License and Usage Agreement
Administrative Office of The Courts				Yes
Clerk of Superior Court		X		
District Attorney's Office		X		
District Court Judges for 10th Judicial District		X		
Magistrates		X		
Superior Court Judges for 10th Judicial District			X	
Apex Police Department		X		Yes
Cary Police Department		X		Yes
Crime Control and Public Safety				Yes
CCPS-Alcohol Law Enforcement		X		
CCPS-State Capitol Police			X	
CCPS-Secretary's Office			X	
CCPS-State Highway Patrol (Troop C)		X		
DENR-Parks and Recreation		X		Yes
Department of Agriculture		X		Yes
Department of Commerce				No
Department of Corrections				No
Division of Community Corrections			X	
Division of Prisons			X	
Department of Insurance		X		Yes
Department of Justice				
DOJ Agency Users			X	No
State Bureau of Investigation		X		Yes
Department of Juvenile Justice and Delinquency Prevention		X		Yes
Department of Revenue				No
DOT-DMV License and Theft		X		Yes
Fuquay-Varina Police Department	X			Yes
Garner Police Department	X			Yes
Holly Springs Police Department		X		Yes
Knightdale Police Department	X			Yes
Legislative Police			X	No
Morrisville Police Department		X		Yes
NCSU			X	No
Raleigh Police Department		X		Yes
Raleigh-Durham Airport Police Department	X			Yes
Rolesville Police Department	X			Yes
Secretary of State				No
United States Drug Enforcement Agency			X	No

Agency Name	Complete	In Training	Onboarding	Signed License and Usage Agreement
United States Federal Bureau of Investigation			X	No
US Immigration and Custom		X		Yes
US Marshal Service		X		Yes
US Secret Service - Raleigh Office	X			Yes
Wake County ABC Law Enforcement	X			Yes
Wake County City & County Bureau of Information		X		Yes
Wake County Sheriff's Office		X		Yes
Wake Forest Police Department		X		Yes
Wendell Police Department	X			Yes
Wild Life Resouces Commission		X		Yes
Zebulon Police Department	X			Yes

Appendix F: Return on Investment Analysis

Category	Item	Type						Amount	Type	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
(actuals)																
			Wake County Felony cases per year	time save per case (minutes)*	Time Saved in Hours per year	Hourly Rate	Estimated Saving per Year									
Automation	Post Pilot -Automation of offender look up for Wake County	Annual	14500	10	2417	30	$ 72,500	intangible		$ -	$ 72,500	$ 72,500	$ 72,500	$ 72,500	$ 72,500
			Estimated Daily Offender Searches by LEO for Wake County	time save per Offender search (minutes)*	Time Saved in Hours per year	Hourly Rate	Estimated Saving per Year									
Automation	Post Pilot -Automation of offender look up for Law Enforcement	Annual	32000	1	194667	25	$ 4,866,667	intangible	0	$ -	$ 4,866,667	$ 4,866,667	$ 4,866,667	$ 4,866,667	$ 4,866,667
							(actuals) Sub Total	$ -	$ -	$ 4,939,167	$ 4,939,167	$ 4,939,167	$ 4,939,167	$ 4,939,167		
Avoided Costs																
			Number of Potential Lives Saved			Value of a Life	Total Value									
Cost Avoidance	Post Pilot - Save four lives with integration of offender information	Annual	2			$ 1,125,000	$ 2,250,000	intangible		$ -	$ 2,250,000	$ 2,250,000	$ 2,250,000	$ 2,250,000	$ 2,250,000
							Avoided Costs Sub Total	$ -	$ -	$ 7,189,167	$ 7,189,167	$ 7,189,167	$ 7,189,167	$ 7,189,167		
Pilot Development Cost																
ANNUAL																
Actual Pilot Development										$ 2,128,091	$ 7,643,027					
Estimated Costs - Pilot Development - PPM Tool												$ 7,400,353	$ 6,350			
Estimated Costs - Internal Operational Cost (2010 and 2011) and Post Pilot - Full Production Implementation												$ 1,459,735	$ 11,586,560	$ 9,000,000	$ 9,000,000	$ 9,000,000
							Total Costs	$ 2,128,091	$ 7,643,027	$ 8,860,088	$ 11,592,910	$ 9,000,000	$ 9,000,000	$ 9,000,000		
Implementation Savings										$ -	$ -	$ 12,128,333	$ 12,128,333	$ 12,128,333	$ 12,128,333	$ 12,128,333
CUMULATIVE																
Total Costs										$ 2,128,091	$ 9,771,118	$ 18,631,206	$ 30,224,116	$ 39,224,116	$ 48,224,116	$ 57,224,116
Implementation Savings (Wake County - No expansion to other Counties)										$ -	$ -	$ 12,128,333	$ 24,256,667	$ 36,385,000	$ 48,513,333	$ 60,641,667
Return										$ (2,128,090.55)	$ (9,771,117.55)	$ (6,502,872.22)	$ (5,967,448.88)	$ (2,839,115.55)	$ 289,217.78	$ 3,417,551.12
Estimated Costs										$ 2,128,091	$ 9,771,118	$ 18,631,206	$ 30,224,116	$ 39,224,116	$ 48,224,116	$ 57,224,116
Implementation Savings (Wake County - Plus 2 other Counties similar in size) - doubling efficiency only										$ -	$ -	$ 17,067,500	$ 34,135,000	$ 51,202,500	$ 68,270,000	$ 85,337,500
Return										$ (2,128,090.55)	$ (9,771,117.55)	$ (1,563,705.55)	$ 3,910,884.45	$ 11,978,384.45	$ 20,045,884.45	$ 28,113,384.45

Automation   In a memo received from Wake County courts, the estimated saving in resource time is 33% per case. The savings realized will not result in a reduction in work force, rather a time and efficiency savings.
Last calendar year 14,677 felony case were brought before Wake County. Each case takes approximately 30 minutes to research. Improving the information flow will result in improved information and better decision making.
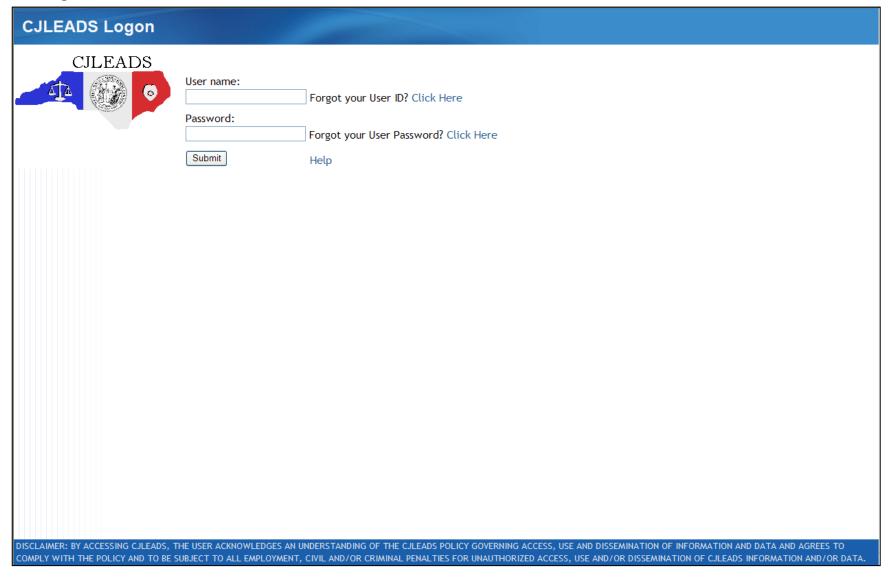
Estimates are that law enforcement officers will perform 4 searches per hour. Estimating that 1/3 of Wake Counties LEO's will be in positions requiring searches, LEOs would perform 1000x4x8 or 32000 searches/day

Cost Avoidance   The cost of a human life is estimated at 1.125 million. Computation of Human Life value requires a detailed analysis of many factors.

For simplicity if an individual is murdered at 35 and has 30 years of future income of which 75% is spent on his/her family then the value of the life would equal (30*(50,000*.75)) The value of a human life would equal 1,125,000
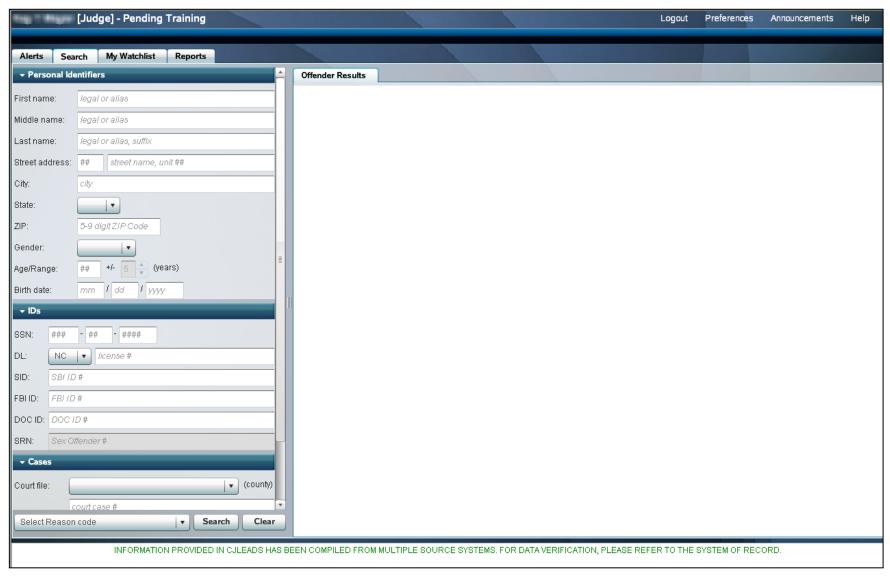
Appendix G: CJLEADS – Sample Screens

CJLEADS Login Screen

- *Available via the Web*
- *Secured for use by criminal justice professionals only*

The information provided is test data for demonstration purposes only.

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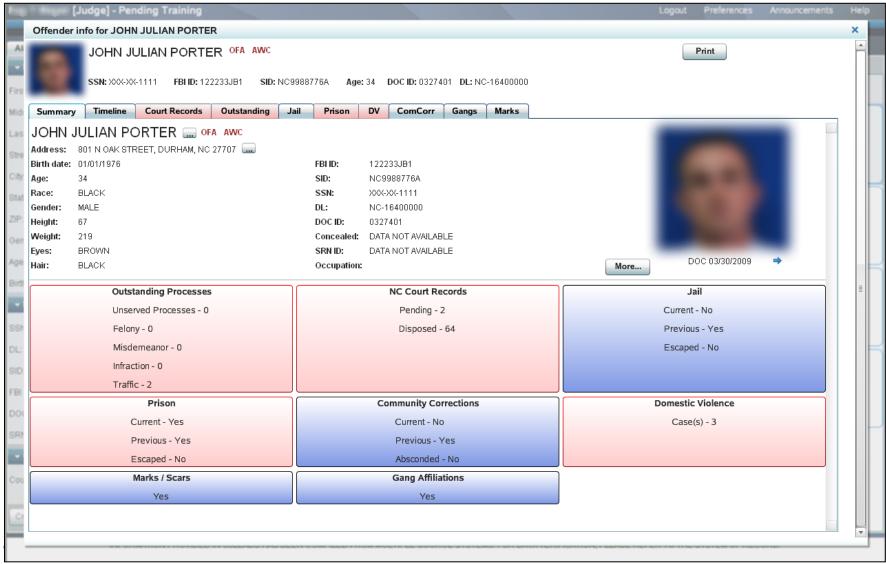## CJLEADS Search Screen

- *Allows the user to enter search criteria*
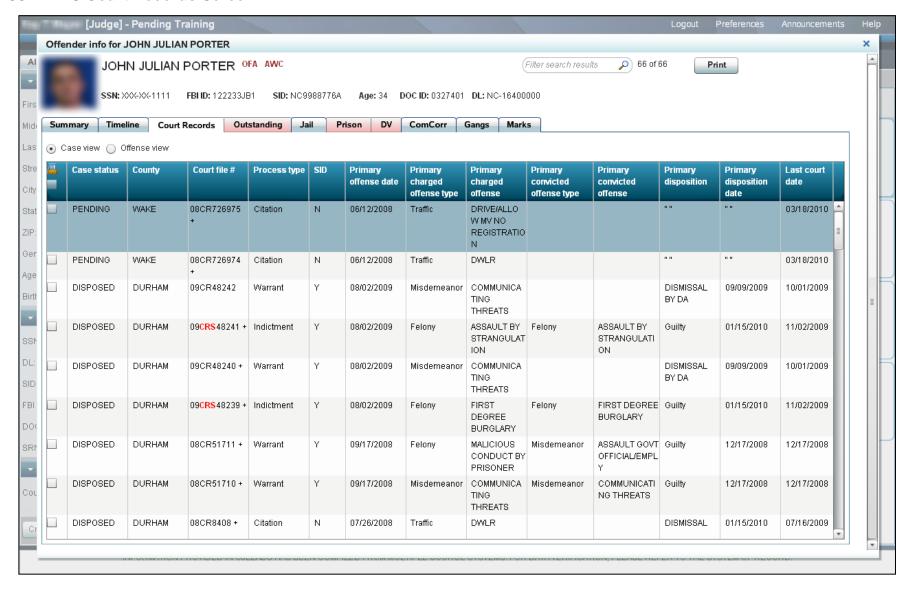
CJLEADS Search Results Screen

- *Provides a list of offenders meeting the search criteria*

- *The Criminal Justice Professional reviews the results and selects the person of interest*

The information provided is test data for demonstration purposes only.
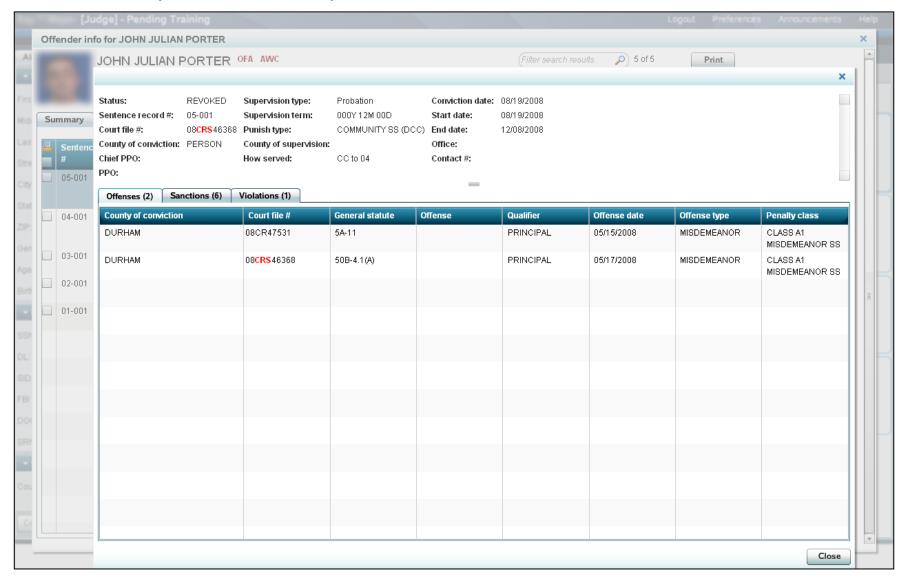
32

CJLEADS Summary Screen

- *A summary of the individual is displayed*

- *Items highlighted in red alert the criminal justice professional to information that may be of importance*

- *The criminal justice professional may view detailed information by selecting a tab at the top of the screen or clicking on one of the boxes at the bottom of the screen*

The information provided is test data for demonstration purposes only.

CJLEADS Court Records Screen

- *The history summary screen provides a list of cases and information for the individual*
- *The criminal justice professional can "drill into" detailed case information by double clicking on a specific case*

The information provided is test data for demonstration purposes only.

CJLEADS Community Corrections Summary and Detail Screen

- The Community Corrections summary and detail screens provide probation, parole, and post sentence release information for the individual

- The criminal justice professional can "drill into" a sentencing period by double clicking on a specific case

The information provided is test data for demonstration purposes only.

CJLEADS Timeline Screen

- *The timeline screen provides a visual representation of an individual's criminal information.*

The information provided is test data for demonstration purposes only.